

In the Claims:

1. – 46. (cancelled)

47. (previously presented) An adhesive composition for preparing an adhesive layer for medical patches or for transdermal therapeutic systems, said adhesive layer having a tackiness which is activated and/or increased by contact with moisture or by absorption of moisture, wherein said adhesive layer comprises at least one pressure-sensitive adhesive polymer and at least one component selected from the group consisting of polyethers and acid anhydrides including acids and salts of acid anhydrides, said composition comprising:

polyvinylalcohol and at least one polymethyl vinyl ether-polymaleic acid anhydride copolymer, wherein the portion of polyvinylalcohol is 1-80%-wt. relative to the sum of said two polymers;

at least one film-forming polymer being at least one selected from the group consisting of non-pressure-sensitive adhesive polyacrylates and at least one pressure-sensitive adhesive polymer; and

a solvent portion including a solvent.

48. (previously presented) The adhesive composition according to claim 47, wherein the solvent of said solvent portion is a polar solvent.

49. (previously presented) The adhesive composition according to claim 47, wherein the solvent of said solvent portion is selected from the group consisting of water, aqueous solvent mixtures, alcohols and esters.

50. (previously presented) The adhesive composition according to claim 47, wherein the

solvent of said solvent portion comprises hexane and ethyl acetate.

51. (previously presented) The adhesive composition according to claim 47, wherein said at least one pressure-sensitive adhesive polymer is selected from the group consisting of polyacrylates, polyisobutylenes, polyisoprenes and silicone adhesives.

52. (previously presented) The adhesive composition according to claim 47, wherein said composition further comprises at least one component selected from the group consisting of cellulose derivatives and polyethers.

53. (previously presented) The adhesive composition according to claim 52, wherein said at least one cellulose derivative is selected from the group consisting of hydroxypropyl methyl cellulose, hydroxypropyl cellulose, sodium carboxymethyl cellulose, methyl cellulose, hydroxyethyl cellulose and hydroxypropyl ethyl cellulose.

54. (previously presented) The adhesive composition according to claim 52, wherein said polyethers are polyvinylalkyl ethers selected from the group consisting of polyvinyl methyl ether, polyvinyl ethyl ether, polyvinyl isobutyl ether and polyvinyl cyclohexyl ether.